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SCIENTIFIC JOURNALS AND ARTICLES

THE opening (January) number of volume 15 of the *Transactions of the American Mathematical Society* contains the following papers:

T. H. Gronwall: "On the degree of convergence of Laplace's series."

L. E. Dickson: "Linear associative algebras and abelian equations."

W. B. Fite: "Some theorems concerning groups whose orders are powers of a prime."

R. E. Root: "Limits in terms of order, with examples of limiting element not approachable by a sequence."

O. E. Glenn: "The symbolical theory of finite expansions."

B. H. Camp: "Lebesgue integrals containing a parameter, with applications."

J. L. Coolidge: "Congruences and complexes of circles."

The Decmber number of the *Bulletin of the American Mathematical Society* contains: Report of the Madison Colloquium, by Arnold Dresden; Report of the Vienna meeting of the Deutsche Mathematiker-Vereinigung, by Virgil Snyder; "On binary modular groups and their invariants," by L. E. Dickson; "On some systems of collineation groups," by H. H. Mitchell; "On the sumability of Fourier's series," by T. H. Gronwall; "Note on Pierpont's Theory of Functions," by G. A. Bliss; Review of Reid's Theory of Algebraic Numbers, by E. B. Skinner; Review of the Festschrift Heinrich Martin Weber zu seinem siebzigsten Geburtstag, by R. C. Archibald; "Shorter Notices": Murray's Plane Trigonometry and Tanner and Allen's Analytic Geometry, by C. B. Hennel; Müller's Gedenktagebuch für Mathematiker and Ebner's Technische Infinitesimalrechnung, by E. W. Ponzer; Webster's Dynamics of Particles and of Rigid, Elastic and Fluid Bodies, by W. R. Longley; "Notes"; and "New Publications."

THE January number of the *Bulletin* contains: Report of the October meeting of the society, by F. N. Cole; Report of the twenty-fourth regular meeting of the San Francisco Section, by Thomas Buck; Report of the seventh regular meeting of the Southwestern Section, by O. D. Kellogg; "The infinite regions of various geometries," by Maxime Bôcher; "Shorter Notices"; Auerbach and Rothe's Taschenbuch für Mathematiker und Physiker, by G. A. Miller; Sommer-Levy's Théorie des Nombres algébriques, by E. B. Skinner; Carslaw's Infinitesimal Calculus, by A. M. Kenyon; Young's Monographs of Modern Mathematics, by R. D. Carmichael; Hawkes's Higher Algebra, by J. E. Rowe; Evans's Teaching of High School Mathematics, by E. B. Lytle; Fischer's Koordinatensysteme, by E. J. Wilczynski; "Notes"; and "New Publications."

THE February number of the *Bulletin* contains: "Some theorems on the convergence of series," by R. D. Carmichael; "A translation principle connecting the invariant theory of line congruences with that of plane n-lines," by O. E. Glenn; "Some mathematical booklet series," by R. C. Archibald; "Mathematical models," by R. C. Archibald; Review of Darboux's Systèmes orthogonaux et Coordonnées curvilignes, by E. J. Wilczynski; Review of Church and Bartlett's Descriptive Geometry, Low's Practical Geometry and Graphics, Hauck's Darstellende Geometrie, and Müller's Darstellende Geometrie für technische Hochschulen, by Virgil Snyder; "Shorter Notices"; Hensel's Zahlentheorie, by L. E. Dickson; Volterra's Equations intégrales et Equations intégro-différentielles, by Jacob Westlund; Kowalewski's Komplexe Veränderlichen und ihre Funktionen, by Arnold Dresden; Bachelier's Calcul des Probabilités, by H. L. Rietz; Einstein and Grossmann's Verallgemeinerte Relativitätstheorie, by E. B. Wilson; "Notes"; and "New Publications."

THE BOTANICAL SOCIETY OF AMERICA

II

The Anatomy of the Node as an Aid in the Classification of the Angiosperms: E. W. SINNOTT.

The node of vascular Cryptogams and Gymnosperms is recognized as a conservative region. Investigation shows that the nodal structure of Angiosperms, as well, is slow to change and is